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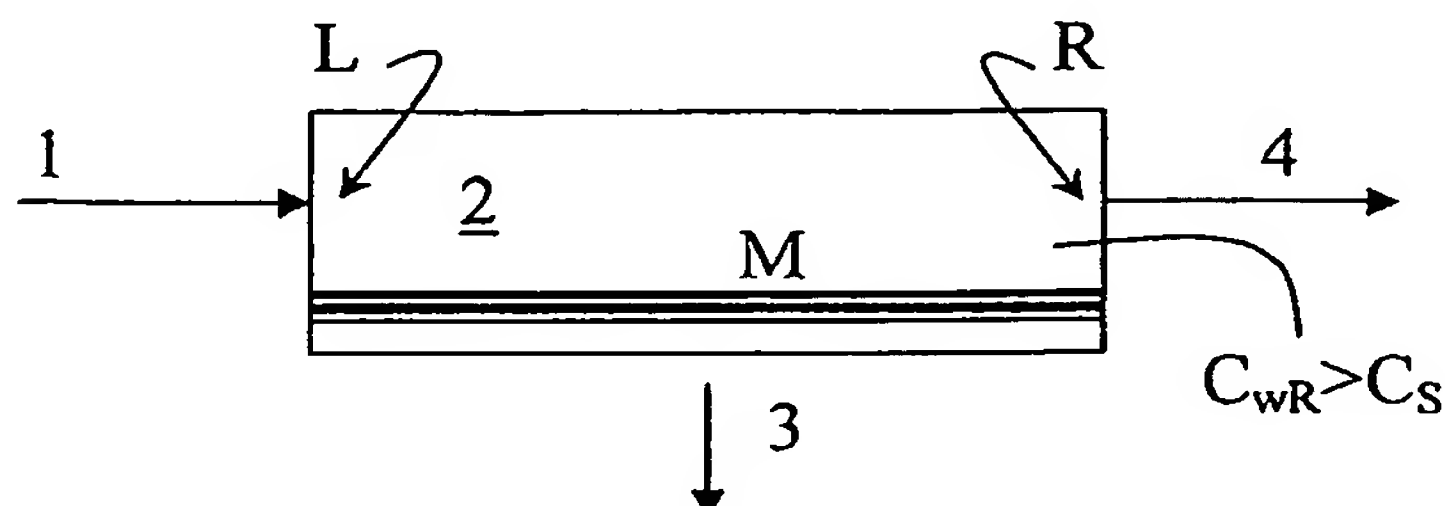
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(54) Title: **METHOD AND SYSTEM FOR INCREASING RECOVERY AND PREVENTING PRECIPITATION FOULING IN PRESSURE-DRIVEN MEMBRANE PROCESSES**



(57) Abstract: A process is provided for purifying water containing soluble species capable of forming one or more sparingly soluble salts or minerals, comprising feeding a pressurized water stream into a treatment zone (2) having one or more membranes (M), passing the stream along the membranes (M) to recover permeate (4) and concentrate (3), while periodically reversing the flow direction at periods of time to prevent exposing the membranes (M) to supersaturation condition,

thus preventing precipitation of the salts and minerals.